

CLAIMS:

1. A particulate filter for an internal combustion engine, comprising a monolithic porous filter body (10) having inflow channels (12) and outflow channels (13), each inflow channel (12) crossing at least one outflow channel (13) from which it is separated by a filtering wall (W1, W2, W3, W4),

characterized in that

the inflow channels (12) open into a settling chamber (17) which is an ash chamber for depositing the ash.
2. The particulate filter of claim 1, wherein each inflow channel (12) crosses a plurality of outflow channels (13) and each outflow channel crosses a plurality of inflow channels.
3. The particulate filter of claim 1 or 2, wherein a plurality of inflow channels (12) are arranged adjoining in a first plane and a plurality of outflow channels (13) are arranged adjoining in a second plane parallel to the first plane.
4. The particulate filter of one of claims 1-3, wherein the inflow channels (12) are tubes that pass through chambers (28, 29) without their walls contacting each other, said chambers forming the outflow channels (13).
5. The particulate filter of one of claims 1-4, wherein the outflow channels (13) are tubes that pass through chambers without their walls contacting each other, said chambers forming the inflow channels (12).
6. The particulate filter of one of claims 1-5, wherein the settling chamber (17) has a flap for removing the ash (18) therefrom.